

Precision Agriculture Specialist

Description

Precision agriculture specialists provide support and technical assistance to growers who are using precision technologies on their farms. They implement actual work of grid and contour differential global positioning systems for soil sampling as well as developing informational and recommendation maps.

Education/Training Requirements

- Bachelor's degree in Agricultural Business, Agricultural Engineering, Agronomy, or Business (required)
- Certified Crop Adviser certification (potentially required)

Recommended High School Coursework

- Agriculture Education
- Mathematics
- Sciences
 - Biology
 - Chemistry

Common Responsibilities

- Implement practical application of record keeping and nutrient management plans
- Assist in marketing precision agriculture program to producers
- Network with local government and extension leaders
- Provide technical service and recommendations to patrons
- Assist customers in installing and calibrating their precision equipment
- Implement actual work of differential global positioning systems
- Provide training for other retail employees in precision agriculture
- Assist in handling customer concerns and complaints
- Interpret satellite remote sensing to identify and map field variability
- Prepare fertility, fungicide and seeding maps and recommendations
- Use GPS and soil test zones, locate fields and perform soil sampling duties in field
- Implement variable rate application of lime and nutrients
- Provide agronomic services in field using scouting apps or software
- Understand and participate in the business plan and strategies

Typical Employers

There is the opportunity to work for precision equipment/software providers, agricultural retailers, cooperatives or even extension offices.

Additional Resources

[Agricultural Retailers Association](#)
[International Society of Precision Agriculture](#)